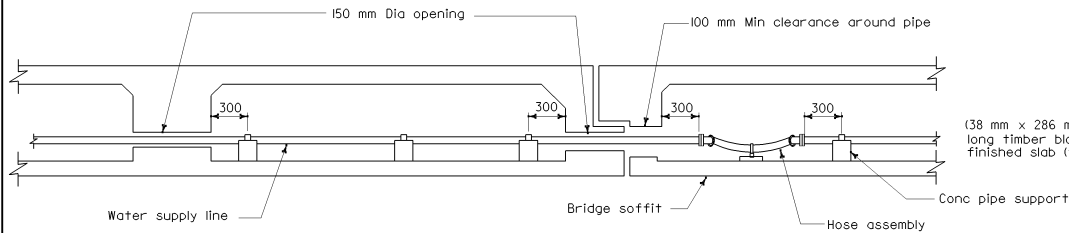
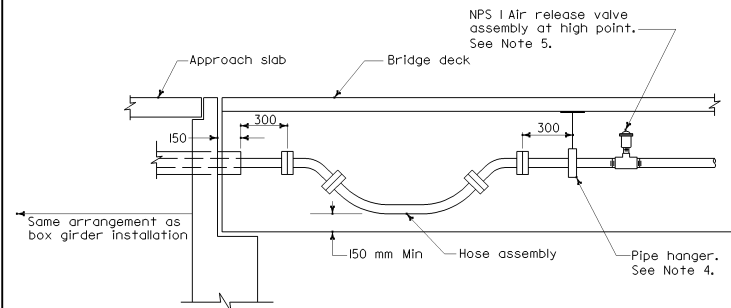


BOX GIRDER INSTALLATION



PIPE INSTALLATION AT HINGE

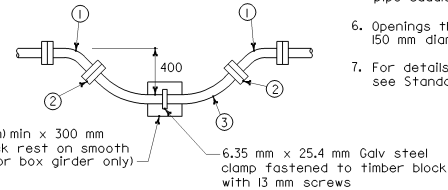
Same for hanger type installation



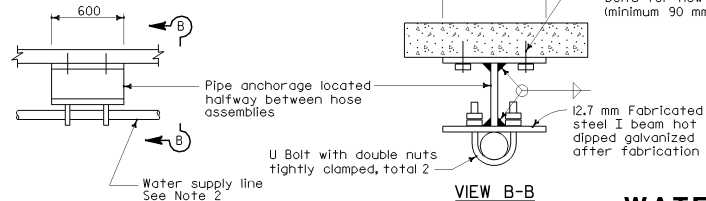
INSTALLATION FOR OTHER STRUCTURE TYPES

NUMBERED ITEM

- ① 45 degree flanged elbow with insulated flange connection
- ② Flanged hose fitting
- ③ Hose 2.0 m in length (size shall be same as pipe)



VIEW A-A
HOSE ASSEMBLY



VIEW B-B

WATER SUPPLY LINE (BRIDGE) (PIPE SIZES LESS THAN NPS 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

B14-4



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED MECHANICAL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

Hao T. Phan
No. M20269
Exp. 9-30-04
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

NOTES

1. Extend pipe 1.5 m+ beyond the edge of shoulder or as shown on bridge plans. Terminate in a pull box as shown on Standard Plan B14-3, Detail B.
2. Water supply line shall be installed parallel to bridge soffit or deck.
3. For concrete pipe support, pipe shall be tightly clamped at the pipe support located halfway between hose assemblies. At all other supports, pipe clamp shall be shimmed with steel washer plate to provide 5 mm clearance between pipe and clamp.
4. Maximum spacing between pipe hangers or supports shall be 3.0 m unless otherwise detailed on the plans.
5. Install air release valve using threaded tee or pipe saddle.
6. Openings through diaphragms and bent caps shall be 150 mm diameter unless otherwise detailed on the plans.
7. For details of pipe hanger and concrete pipe support see Standard Plan B14-5.